

Amendment to the Specification

Please add the following Abstract of the Invention to the Specification:

Abstract of the Invention

An apparatus for detecting the heat-sealed interfaces of plastic film being fed into a machine includes a plurality of light sources opposed to a heat-sealed plastic film. The lights are spaced from each other in directions parallel and perpendicular to the direction in which the plastic film is fed. An optical sensor is opposed to the plastic film, and a cover plate is placed between the optical sensor and the plastic film, the cover plate including small hole or narrow slit through which light passes. The lights reflect from or permeate through the plastic film and then pass to the optical sensor. The optical sensor image-recognizes the reflected or permeated lights and reads the minutely rugged surface of the heat sealed portion to detect the heat sealed interface of the plastic film.